

1) Solve $x^2 + 4x + 3 > 0$

2) Solve $x^2 - 12x + 35 < 0$

Factorise the quadratic

$(x + 3)(x + 1) > 0$

Factorise the quadratic

$(x - 5)(x - 7) < 0$

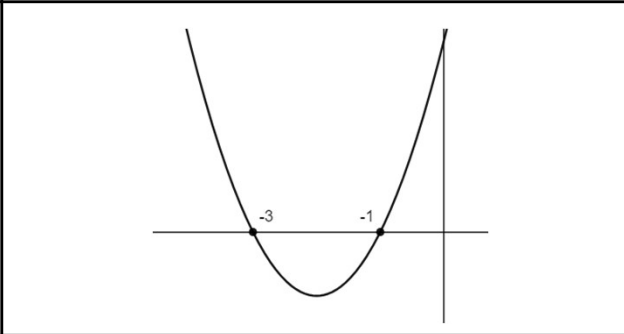
Identify the critical values

$x = -3$
 $x = -1$

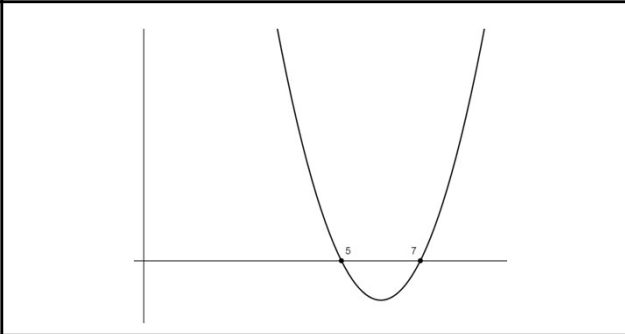
Identify the critical values

$x = 5$
 $x = 7$

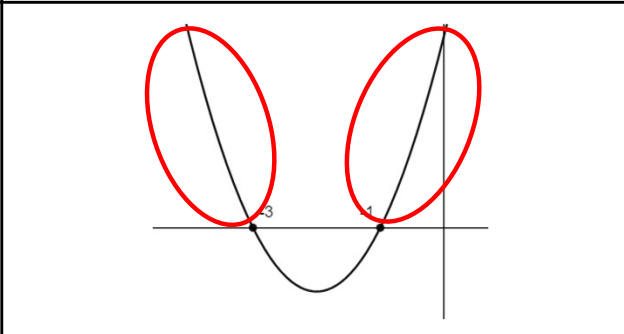
Sketch a graph



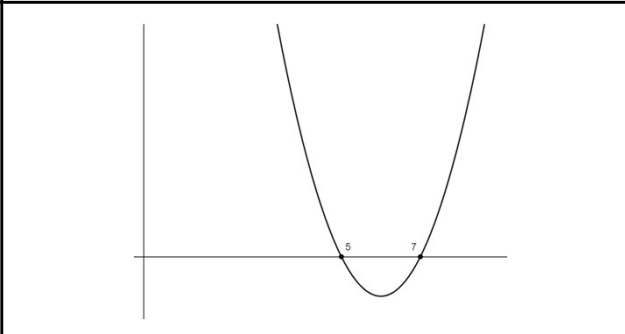
Sketch a graph



Decide which section(s) of the graph satisfy the inequality



Decide which section(s) of the graph satisfy the inequality



State solution

$x < -3, x > -1$

State solution

3) Solve $x^2 - 5x - 24 \leq 0$

4) Solve $x^2 - 7x + 12 \geq 0$

Factorise the quadratic	$(x + 3)(x - 8) \leq 0$	Factorise the quadratic	$(x - 4)(x - 3) \geq 0$
Identify the critical values	$x = -3$ $x = 8$	Identify the critical values	
Sketch a graph			
Decide which section(s) of the graph satisfy the inequality			
State solution			

5) Solve $x^2 - x - 20 < 0$

6) Solve $x^2 + 16x + 63 \geq 0$

Factorise the quadratic

Identify the critical values

Sketch a graph

Decide which section(s)
of the graph satisfy the
inequality

State solution

